



SEQUENCE LISTING

Handfield, Martin
Brady, Jeannine
Progulske-Fox, Ann
Hillman, Jeffrey D.

<120> Microbial Polynucleotides Expressed During Infection of
a Host

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<151> 1999-08-06

<150> PCT/US00/21340

<151> 2000-08-04

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<170> PatentIn Ver. 2.1

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aaaagaaaaa tacaacttag acgtagaata cgttttattc atgactacgc cttgccaaac 180
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gcgcttattt aagctaaaac accatcttgg cattcagggg tttttatccg ggctattcac 180
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 ccgatgtgcc ttacgaagaa ctgaaaggca ttaaagtgtg ccatttgggc taccgttctt 540
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 Lys Val Ile
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 35 40 45
 Leu Gly Ile Gln Gly Phe Leu Ser Gly Leu Phe Thr Phe Val Leu Arg
 50 55 60

Ser Gly Ala Arg Leu Leu Pro Thr Ser Leu Leu Lys Asn Ile Tyr Gln
65 70 75 80

Thr Phe Leu Arg Lys
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Val Leu Asn Gly Asp Val Leu Gln Leu Asn Gly Ser His Ser Trp Phe
35 40 45

Val Ala Asp Ala Ser Glu Asp Leu Thr Gln Leu Gln Gln Arg Leu Ala
50 55 60

Gln Arg Asp Ile Leu Leu Thr Ala Pro Leu Ile Gly Glu Glu Asp Lys
65 70 75 80

Ser Ala Val Asp Phe Glu Asn Glu Ile Phe Val Ala His Gln Ala Leu
85 90 95

Phe His Leu Met Arg Gln Glu Arg Val Lys Ala Ala Arg Arg Pro Ile
100 105 110

Leu Met Gln Ala Gln Gln Phe Gln Trp Gln Phe Glu Pro Asn Gly Leu
115 120 125

Arg Leu Lys Phe Tyr Leu Pro Ala Gly Ser Tyr Ala Thr Ala Leu Val
130 135 140

Arg Glu Leu Val Asn Val Glu Asn
145 150

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<221> UNSURE

<222> (43)

<223> Xaa stands for any amino acid.

<220>

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<223> Xaa stands for any amino acid.

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<222> (66)

<223> Xaa stands for any amino acid.

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<221> UNSURE

<222> (69)

<223> Xaa stands for any amino acid.

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Met	Asn	Ile	Leu	Leu	Ser	Asn	Asp	Asp	Gly	Ile	His	Ala	Pro	Gly	Ile
1				5					10					15	

Arg	Val	Met	Arg	Thr	Leu	Arg	Lys	Ile	Ala	Asn	Val	Thr	Ile	Val	Ala
			20					25					30		

Pro	Asp	Ser	Asn	Arg	Lys	Arg	Arg	Leu	Gln	Xaa	Leu	Asn	Leu	Gly	Glu
		35					40					45			

Ala	Xaa	Val	Phe	Arg	Ser	Phe	Gly	Lys	Ala	Xaa	Ile	Ile	Ala	Ser	Thr
	50					55					60				

Ala	Xaa	Pro	Ala	Xaa	Cys	Val	His	Ile	Ala	Leu	Thr	Gly	Phe	Leu	Ser
65					70					75					80

Gly	Arg	Ile	Asp	Leu	Val	Ile	Ser	Gly	Ile	Asn	Ala	Gly	Ala	Asn	Leu
			85						90					95	

Gly	Asp	Asp	Val	Leu	Tyr	Ser	Gly	Thr	Val	Ala	Ala	Ala	Phe	Glu	Gly
			100					105					110		

Arg	His	Leu	Gly	Leu	Pro	Ser	Ile	Ala	Val	Ser	Leu	Asp	Gly	Arg	Gln
		115					120					125			

His	Phe	Glu	Thr	Ala	Ala	Arg	Val	Val	Cys	Asp	Leu	Val	Pro	Lys	Leu
	130					135					140				

His	Ala	Gln	Leu	Leu	Gly	Lys	His	Glu	Ile	Leu	Asn	Ile	Asn	Val	Pro
145					150					155					160

Asp	Val	Pro	Tyr	Glu	Glu	Leu	Lys	Gly	Ile	Lys	Val	Cys	His	Leu	Gly
			165						170					175	

Tyr	Arg	Ser	Ser	Ala	Ser	Glu	Val	Ile	Lys	Gln	Gln	Ser	Pro	Arg	Gly
		180						185					190		

Glu	Asp	Met	Tyr	Trp	Ile
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Asp	Leu	Pro	Leu	Ala	Asn	Pro	Tyr	Glu	Met	Leu	Ile	Leu	Ala	Ser	Ile
1				5					10					15	
Val	Glu	Lys	Glu	Thr	Gly	Ile	Ala	Ala	Glu	Arg	Pro	Gln	Val	Ala	Ser
			20					25					30		
Val	Phe	Ile	Asn	Arg	Leu	Lys	Ala	Lys	Met	Lys	Leu	Gln	Thr	Asp	Pro
	35						40					45			
Thr	Val	Ile	Tyr	Gly	Met	Gly	Asp	Asp	Tyr	Asn	Gly	Asn	Ile	Arg	Lys
	50					55					60				
Lys	Asp	Leu	Glu	Thr	Pro	Thr	Pro	Tyr	Asn	Thr	Tyr	Val	Ile	Asp	Gly
	65				70					75					80
Leu	Pro	Pro	Thr	Pro	Ile	Ala	Met	Pro	Ser	Glu	Glu	Ala	Leu	Gln	Ala
				85					90					95	
Val	Ala	His	Pro	Ala	Gln	Thr	Ala	Phe	Tyr	Tyr	Phe	Val	Ala	Asp	Gly
			100					105					110		
Thr	Gly	Gly	His	Lys	Phe	Ser	Arg	Asn	Leu	Asn	Glu	His	Asn	Lys	Ala
	115						120					125			
Val	Gln	Gln	Tyr	Leu	Arg	Trp	Tyr	Arg	Glu	Gln	Asn	Gly	Lys		
	130					135					140				

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Met	Val	Gly	Lys	Phe	Ile	Val	Ile	Glu	Gly	Leu	Glu	Gly	Ala	Gly	Lys
1				5					10					15	
Ser	Thr	Ala	His	Gln	Cys	Val	Val	Asp	Thr	Leu	Lys	Thr	Leu	Gly	Val
			20					25					30		
Gly	Glu	Val	Ile	Ser	Thr	Arg	Glu	Pro	Gly	Gly	Thr	Pro	Val	Gly	Gly
		35					40					45			
Lys	Ala	Thr	Pro	Ser	His										
		50													